

SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB#

18215!

Requester's Full Name: MOLLY CEPERLEY Examiner #: 59757 Date: 03/14/06
 Art Unit: 1641 Phone Number 302-0813 Serial Number: 10/656237
 Mail Box and Bldg/Room Location: Rem 3A51 Results Format Preferred (circle): PAPER DISK E-MAIL
 ↳ Rem 3C70

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

① Please search for the structure of claim 1 in combination with each of the Terms (A): The structure of claim 1 is also known as "PSS-380" and contains an "anthracene" center and two "DPA" units [bis (2-pyridyl)methylamine]. Please also substitute the following metals for the "Zn(II)" shown in the structure: Cu^{+2} , Ni^{+2} , Co^{+3} , Eu^{3+} , Nb^{3+} .

Terms (A)

phospholipid
 phosphatidylserine (PS)
 phosphatidyl glycerol
 phosphatidic acid
 phosphatidylethanolamine (PE)
 phosphatidylcholine (PC)
 sphingomyelin (SM)

STAFF USE ONLY

| | Type of Search | Vendors and cost where applicable |
|------------------------------------|-----------------------|-----------------------------------|
| Searcher: _____ | NA Sequence (#) _____ | STN _____ |
| Searcher Phone #: _____ | AA Sequence (#) _____ | Dialog _____ |
| Searcher Location: _____ | Structure (#) _____ | Questel/Orbit _____ |
| Date Searcher Picked Up: _____ | Bibliographic _____ | Dr. Link _____ |
| Date Completed: _____ | Litigation _____ | Lexis/Nexis _____ |
| Searcher Prep & Review Time: _____ | Fulltext _____ | Sequence Systems _____ |
| Clerical Prep Time: _____ | Patent Family _____ | WWW/Internet _____ |
| Online Time: _____ | Other _____ | Other (specify) _____ |

Search history

Ceperley 10/656237

03/27/2006

=> d his full

(FILE 'HOME' ENTERED AT 12:11:14 ON 27 MAR 2006)

FILE 'REGISTRY' ENTERED AT 12:11:19 ON 27 MAR 2006

L1 STRUCTURE UPLOADED
L2 0 SEA SSS SAM L1
L3 STRUCTURE UPLOADED
L4 0 SEA SSS SAM L3
L5 STRUCTURE UPLOADED
L6 50 SEA SSS SAM L5

FILE 'STNGUIDE' ENTERED AT 12:23:21 ON 27 MAR 2006

FILE 'REGISTRY' ENTERED AT 12:27:01 ON 27 MAR 2006

L7 STRUCTURE UPLOADED
L8 36 SEA SSS SAM L7

FILE 'CAPLUS' ENTERED AT 12:31:04 ON 27 MAR 2006

E US2003-656237/APPS
E US2002-416233/APPS

FILE 'REGISTRY' ENTERED AT 12:31:57 ON 27 MAR 2006

E PSS-380/CN
E PSS 380/CN
L9 1 SEA ABB=ON PLU=ON PSS 380/CN
D SCA
L10 0 SEA ABB=ON PLU=ON L9 AND L8
D STAT QUE L8
L11 1261 SEA SSS FUL L7
SAVE TEMP CEP237STRD/A L11
L12 1 SEA ABB=ON PLU=ON L9 AND L11

FILE 'CAPLUS' ENTERED AT 12:34:17 ON 27 MAR 2006

L13 330 SEA ABB=ON PLU=ON L11

FILE 'STNGUIDE' ENTERED AT 12:34:25 ON 27 MAR 2006

FILE 'REGISTRY' ENTERED AT 12:35:02 ON 27 MAR 2006

L14 1096 SEA ABB=ON PLU=ON L11 AND M>0

FILE 'CAPLUS' ENTERED AT 12:35:40 ON 27 MAR 2006

L15 6 SEA ABB=ON PLU=ON L9
D SCA

FILE 'STNGUIDE' ENTERED AT 12:36:42 ON 27 MAR 2006

FILE 'REGISTRY' ENTERED AT 12:42:43 ON 27 MAR 2006

L16 STRUCTURE UPLOADED
L17 0 SEA SSS SAM L16
L18 0 SEA SUB=L11 SSS SAM L16
L19 14 SEA SUB=L11 SSS FUL L16
D SCA
SAVE TEMP CEP237STRE/A L19

FILE 'CAPLUS' ENTERED AT 12:45:38 ON 27 MAR 2006

L20 12 SEA ABB=ON PLU=ON L19
L21 2046864 SEA ABB=ON PLU=ON ?PHOSP?/BI
L22 8 SEA ABB=ON PLU=ON L20 AND L21

*Considered.
04/28/06
MEC*

L23 1420774 SEA ABB=ON PLU=ON ?FLUOR?/BI
 L24 10 SEA ABB=ON PLU=ON L20 AND L23
 L25 29863 SEA ABB=ON PLU=ON ?SPHING?/BI
 L26 0 SEA ABB=ON PLU=ON L20 AND L25
 L27 66 SEA ABB=ON PLU=ON L13 AND L21

FILE 'REGISTRY' ENTERED AT 12:50:39 ON 27 MAR 2006

L28 1096 SEA ABB=ON PLU=ON L11 AND M>0

FILE 'CAPLUS' ENTERED AT 12:50:52 ON 27 MAR 2006

L29 270 SEA ABB=ON PLU=ON L28
 L30 55 SEA ABB=ON PLU=ON L29 AND L21
 L31 73 SEA ABB=ON PLU=ON L29 AND L23
 L32 0 SEA ABB=ON PLU=ON L29 AND L25
 L33 96 SEA ABB=ON PLU=ON (L30 OR L31)
 L34 32 SEA ABB=ON PLU=ON L30 AND L31
 L35 24 SEA ABB=ON PLU=ON L34 NOT L20
 L36 66 SEA ABB=ON PLU=ON L13 AND L21
 L37 96 SEA ABB=ON PLU=ON L13 AND L23
 L38 0 SEA ABB=ON PLU=ON L13 AND L25
 L39 37 SEA ABB=ON PLU=ON L36 AND L37
 L40 228358 SEA ABB=ON PLU=ON ?PHOSPHATID?/BI OR ?PHOSPHOLIP?/BI OR
 ?PHOSPHOTID?/BI OR ?PHOSPHADID?/BI
 L41 5 SEA ABB=ON PLU=ON L13 AND L40
 D SCA
 L42 4 SEA ABB=ON PLU=ON L41 AND L23

FILE 'REGISTRY' ENTERED AT 13:00:56 ON 27 MAR 2006

L43 466 SEA ABB=ON PLU=ON L11 AND (CU>0 OR NI>0 OR CO>0 OR EU>0 OR
 NB>0)

FILE 'CAPLUS' ENTERED AT 13:02:40 ON 27 MAR 2006

L44 133 SEA ABB=ON PLU=ON L43
 L45 21 SEA ABB=ON PLU=ON L44 AND L21
 L46 40 SEA ABB=ON PLU=ON L44 AND L23
 L47 0 SEA ABB=ON PLU=ON L44 AND L25
 L48 49 SEA ABB=ON PLU=ON (L45 OR L46)
 L49 12 SEA ABB=ON PLU=ON L48 AND L39
 L50 1 SEA ABB=ON PLU=ON L48 AND L41
 L51 46 SEA ABB=ON PLU=ON L39 OR L38 OR L41 OR L42 OR L45
 L52 74 SEA ABB=ON PLU=ON L39 OR L38 OR L41 OR L42 OR L45 OR L46
 L53 12 SEA ABB=ON PLU=ON L45 AND L46
 L54 12 SEA ABB=ON PLU=ON L20 OR L22 OR L24 OR L26
 L55 38 SEA ABB=ON PLU=ON L51 NOT L54
 L56 66 SEA ABB=ON PLU=ON L52 NOT L54
 E SMITH B?/AU
 E SMITH B/AU
 L57 5216 SEA ABB=ON PLU=ON SMITH B?/AU
 L58 5 SEA ABB=ON PLU=ON L13 AND L57
 L59 487 SEA ABB=ON PLU=ON L21 AND L57
 L60 1693 SEA ABB=ON PLU=ON SMITH BR?/AU
 L61 186 SEA ABB=ON PLU=ON L21 AND L60
 L62 34 SEA ABB=ON PLU=ON L55 NOT L58
 L63 28 SEA ABB=ON PLU=ON L52 NOT L51
 L64 440778 SEA ABB=ON PLU=ON ?LIPID?/BI
 L65 1 SEA ABB=ON PLU=ON L44 AND L64
 L66 4 SEA ABB=ON PLU=ON L13 AND L64
 L67 149726 SEA ABB=ON PLU=ON ?SERIN?/BI
 L68 7 SEA ABB=ON PLU=ON L13 AND L67

D SCA
L69 QUE ABB=ON PLU=ON ?CELL?/BI OR ?VESICL?/BI
L70 4 SEA ABB=ON PLU=ON L69 AND L46
D SCA
L71 39 SEA ABB=ON PLU=ON L13 AND L69
L72 51 SEA ABB=ON PLU=ON L39 OR L38 OR L41 OR L42 OR L45 OR L53 OR
L65 OR L66 OR L68 OR L70
L73 28 SEA ABB=ON PLU=ON L71 NOT L72
L74 24 SEA ABB=ON PLU=ON L71 AND (L21 OR L23 OR L25 OR L64)
L75 13 SEA ABB=ON PLU=ON L74 NOT L72

FILE 'STNGUIDE' ENTERED AT 13:26:42 ON 27 MAR 2006

FILE 'REGISTRY' ENTERED AT 13:27:49 ON 27 MAR 2006

D STAT QUE L11
D STAT QUE L19

FILE 'CAPLUS' ENTERED AT 13:28:12 ON 27 MAR 2006

D QUE NOS L58
D IBIB ABS HITIND HITSTR L58 1-5

FILE 'REGISTRY' ENTERED AT 13:29:23 ON 27 MAR 2006

FILE 'CAPLUS' ENTERED AT 13:29:27 ON 27 MAR 2006

D QUE NOS L20
D QUE NOS L22
D QUE NOS L24
D QUE NOS L26
L76 12 SEA ABB=ON PLU=ON L20 OR L22 OR L24 OR L26
L77 11 SEA ABB=ON PLU=ON L76 NOT L58
D IBIB ABS HITIND HITSTR L77 1-11

FILE 'REGISTRY' ENTERED AT 13:31:54 ON 27 MAR 2006

FILE 'CAPLUS' ENTERED AT 13:31:58 ON 27 MAR 2006

D QUE NOS L38
D QUE NOS L39
D QUE NOS L41
D QUE NOS L42
D QUE NOS L45
D QUE NOS L53
D QUE NOS L65
D QUE NOS L66
D QUE NOS L68
D QUE NOS L70
D QUE NOS L74
L78 64 SEA ABB=ON PLU=ON L38 OR L39 OR L41 OR L42 OR L45 OR L53 OR
L65 OR L66 OR L68 OR L70 OR L74
L79 52 SEA ABB=ON PLU=ON L78 NOT (L58 OR L77)
D IBIB ABS HITIND HITSTR L79 1-52

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAR 2006 HIGHEST RN 878044-67-8

DICTIONARY FILE UPDATES: 26 MAR 2006 HIGHEST RN 878044-67-8

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Mar 24, 2006 (20060324/UP).

FILE CAPLUS

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FILE LAST UPDATED: 26 Mar 2006 (20060326/ED)

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